PTO/SB/05 (06-03)

Approved for use through 07/31/2003. OMB 0551-0032

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Under the Paperwork Reduction Act of 1999, no page	Attorney Docket No.	Frederick David Gray				
	First Inventor	Reservoir Fracture Chara	cterization	~ ~ ~ ~ · · · · · · · · · · · · · · · ·		
TATENT APPLICATION	Title					
TDANSIVILLIA	Express Mail Label No.	EV303484941US	1	44		
(Only for new nonprovisional applications under 37 CFR 1.53(b))		Mail Stop Patent Application Commissioner for Patents		22		
(Only for new nonprovisional Pr	ADDRESS TO:	P.O. Box 1450 Alexandria VA 22313-1450				
APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.	1	on R in duplicate, large tab	le or			
See MPEP chapter 600 concerning damy	7. CD-ROM of Computer Pr	coram (Appendix) r Amino Acid Sequence Sul necessary)	omission	1		
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3. Specification (preferred arrangement set forth below) (preferred arrangement set forth below)		CD-ROM or CD-R (2 copie	s); or	1		
- Descriptive times to Related Application	١٠			1		
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or a computer of the Invention	c. Sta	tements verifying identity of PANYING APPLICAT	ION PARTS	<u>-</u>		
- Brief Surficion of the Drawings (III III	ACCOM	/ war sheet 8	document(s))	)		
Detailed Deserv	9. Assign	ment Papers (cover sheet & 3.73(b) Statement (cover sheet & san assignee)	コ Power of Attorney			
- Claim(s) - Abstract of the Disclosure 4	1 10. (when	there is an assignee) th Translation Document (if a	applicable) Copies of	IDS		
- Abstract of the Discourse  4. Drawing(s) (35 U.S.C. 113) [Total Sheets	, lal Englis	h Iransidae	Citations			
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a. Newly executed (of sales)  a. Copy from a prior application (37 CFR 1.63(d))  b. Copy from a prior application (37 CFR 1.63(d))  (for continuation/divisional with Box 18 completed)	(Sho	uld be specificativ Docum	6(11(2)			
(for continuation	15. Certi	fied Copy of Phons reign priority is claimed) publication Request under S publication Request attached	35 U.S.C. 122 ob form PTO/S	3B/35		
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR (NO. 1972) and 1,33(b).	16. Non (b)(i	reign priority is claimed, publication Request under 3 (2)(B)(i). Applicant must attached a pulivalent.	011 10			
name in the prior carbo	\ or ii	5 equiva				
Continuo Data Sheet. See 37 CFR 1.76	17.	tion below and in th	e first sentenc	e of the		
1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box a configation following the title, or in an Application Data Sheet.	and supply the requisite	information 500				
18. If a CONTINUING APPLICATION, check appropriate box specification following the title, or in an Application Data Shee	et under 37 CFR 1.76	of prior application No.:		_		
specification following the title, or in any	Continuation-in-part (CIP)	Art Unit:th or dec	laration is sup	plied under Box		
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18. If a CONTINUING APPLIES.  specification following the title, or in an Application Data on the specification following the title, or in an Application Data on the specification following the title.  Continuation  Examiner  For CONTINUATION OF DIVISIONAL APPS only; The entire disciplination of the accompanying of the second application has been proported a part of the disciplination of the accompanying of the incorporation can only be relied upon when a portion has been proported in the specific proportion of the disciplination of the discipl	continuation or divisional a	rom the submitted application				
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Name (Print/Type) Daniel J. Knieger  Signature  This collection of information is usuited by 3/ CFI 1.53(b).  This collection of information is usuited by 3/ CFI 1.53(b).	lier is required t	o obtain or retain a benefit by FR 1.14. This collection is estit D. Time will vary depending up should be sent to the	mated to take 1	2 minutes to complete		
Signature Screening by 3 CFB 1.53(b).	The information is required and 37 Con by 35 U.S.C. 122 and 37 Con by 35 U.S.C. 122 and 15 Con the U.S.C.	FR 1.14. This will be sent to the	e Chief Informat	tion Officer, U.S. Falsh ETED FORMS TO THIS		
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PTO/SB/17 (01-03)

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	for	FY	20	03	

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Complete if Known				
Application Number	UNKNOWN			
Filing Date	CONCURRENTLY HEREWITH			
First Named Inventor	Frederick David Gray			
Examiner Name	UNKNOWN			
Art Unit	UNKNOWN			
Attorney Docket No.	1780-03601			

METHOD OF PAYMENT (check all that apply)	(check all that apply) FEE CALCULATION (continued)					
Check Credit card Money Other None 3. ADDITIONAL FEES						
Deposit Account:	Large Entity   Small Entity					
Deposit Account 03-2769		Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Number	1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account Name	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
The Commissioner is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	
Charge fee(s) indicated below Credit any overpayments		,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) during the pendency of this application		920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	l i
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month	
Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee Fee Paid	1254 1	,450	2254	725	Extension for reply within fourth month	
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee	1255 1	.970	2255	985	Extension for reply within fifth month	
1002 330 2002 165 Design filing fee 750.00	1401	320	2401	160	Notice of Appeal	
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451 1,	,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 750.00	1452	110	2452	55	Petition to revive - unavoidable	
	1453 1,	,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,	,300	2501	650	Utility issue fee (or reissue)	
Total Claims 19 -20** = 0 x 18.00 = -0-	1502	470	2502	235	Design issue fee	
Independent Co.	1503	630	2503	315	Plant issue fee	
Claims ————————————————————————————————————	1460	130	1460	130	Petitions to the Commissioner	
200.00] 1 -0-	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection	
1201 84 2201 42 Independent claims in excess of 3					(37 CFR 1.129(a))	
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 ** Reissue independent claims	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
over original patent	1801	750	2801	375	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) -0-			ecify) _			
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00						
SUBMITTED BY (Complete (if applicable)						

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Name (Print/Type)

Signature

Daniel J. Kruleger

Telephone (713) 238-8000

September 26, 2003